425-DIG.130

Date of Application, 11th Mar., 1887
Complete Left, 10th Dec., 1887
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Wire or corrugated iron
Corrugating
Fluting
Crimping

A.D. 1887, 11*th* MARCH. N° 3742.

PROVISIONAL SPECIFICATION.

Improvements in Felts.

I, GEORGE ALBERT HERDMAN of 812 Old Ford Road Bow in the County of Middlesex Manager for Felt Manufacturer do hereby declare the nature of this invention to be as follows :—

My Invention relates to improvements applied to Felts, either in the process of manufacture or after the felt has been made, and whether the felt be tarred or not, and it consists in combining metallic wire with the felt, either in the form of wire netting, wire gauze, or wire woven or webbed in any way, or strands of wire laid either as warp or weft ; also in corrugating fluting, or crimping the felt thus prepared with wire ; whereby I obtain a material having all the properties of ordinary felts, and further a rigidity, self support and freedom from cracking which will render it an advantageous substitute for corrugated iron ; it being less affected by changes of temperature and the action of steam and deleterious gases.

I may introduce the wire into the Felt in the ordinary course of manufacture ; or after the felt has been made I may soften it by reheating, place the wire netting or other form of wire thereon, or between two or more sheets thereof, and stamp or press the whole together until combined ; or in lieu of reheating the felt I may heat the wire and unite without otherwise softening the felt ; or again, I may cement the felt and the wire together with suitable preparation such as pitch, varnish, ordinary cement, or plaster of Paris, without heating or softening the felt and I may sew netting and Felt together with wire or yarn.

I may use my prepared felt in the form of flat sheets, tiles or coverings of any desired shape and dimensions, but when to be used in large sheets for roofing or the other usual applications of Corrugated iron, I prefer to corrugate, flute or crimp the same, either by pressure between rollers, or by stamping in the ordinary way.

My improvements are applicable to felts of all kinds, whether made out of Flax waste, jute waste, peat, paper, wool croppings, cotton flocks or hair etc. saturated with coal, tar pitch, natural pitches, wood pitch or Resin, etc., or to hair felts simply milled or felted together without such saturation.

Dated this Eleventh day of March 1887.

For the Applicant,
W. E. GEDGE,
Agent.

[*Price 4d.*]

COMPLETE SPECIFICATION.

Improvements in Felts.

I, GEORGE ALBERT HERDMAN of 812 Old Ford Road Bow in the County of Middlesex Manager for Felt Manufacturer do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

My invention relates to improvements applied to Felts, either in the process of manufacture or after the felt has been made, and whether the felt be tarred or not, and it consists in combining metallic wire with the felt, either in the form of wire netting, wire gauze, or wire woven or webbed in any way, or strands of wire laid either as warp or weft; also in corrugating, fluting, or crimping the felt thus prepared with wire; whereby I obtain a material having all the properties of ordinary felts, and further, a rigidity self support and freedom from cracking which will render it an advantageous substitute for corrugated iron; it being less affected by changes of temperature and the action of steam and deleterious gases.

I may introduce the wire into the felts in the ordinary course of manufacture; or after the felt has been made I may soften it by reheating, place the wire netting or other form of wire thereon, or between two or more sheets thereof, and stamp or press or roll the whole together, until combined; or in lieu of re-heating the felt I may heat the wire and unite without otherwise softening the felt; or again, I may cement the felt and the wire together with suitable preparations, such as pitch, varnish, ordinary cement, or plaster of Paris, without heating or softening the felt and I may sew netting and felt together with wire or yarn.

I may use my prepared felt in the form of flat sheets, tiles or coverings of any desired shape and dimensions, but when to be used in large sheets for roofing or the other usual applications of corrugated iron, I prefer to corrugate, flute or crimp the same, either by pressure between rollers, or by stamping, in the ordinary way.

My improvements are applicable to felts of all kinds, whether made out of flax waste, jute waste, peat, paper, wool cropping, cotton flocks or hair etc. saturated with coal tar pitch, natural pitches, or wood pitch or resin &c., or to hair felts simply milled or felted together without such saturation.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I claim is:

1. The combination in a felt, of metallic wire in any of the forms and by any of the processes substantially hereinbefore described.
2. The corrugation, fluting or crimping of the felt substantially as hereinbefore described for the purpose specified.

Dated the Tenth day of December 1887.

For the Applicant,
W. E. GEDGE,
Agent.

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